



# Louisiana SIEC Meeting

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# Partnering to Raise FirstNet Awareness, Advocate for Public Safety



**First Responder  
Network Authority**

- **EDUCATION** mission
- **WHAT** is FirstNet, **WHY** FirstNet, FirstNet **history and meaning**
- Public safety **advocacy, accountability and Network availability** messaging

**For public safety**



**By public safety**



**AT&T**

- **MARKETING** mission
- **HOW** FirstNet works, how to **SUBSCRIBE AND USE** FirstNet
- FirstNet **products, services and customer care** messaging

# Unique Features of FirstNet

- A network fought for, designed by, and **built for public safety**.
- Has an **oversight organization** in the First Responder Network Authority that ensures that AT&T delivers on its commitments, and also advocates for public safety.
- FirstNet has a sustainable financial model that **guarantees reinvestment in public safety's** network
- Has a separate, redundant and **dedicated core** – it is NOT a virtual core as part of a commercial network.
- Provides **dedicated and separate security** monitoring of the Network 24/7/365.
- Provided dedicated **FirstNet Customer Service Line** 24/7/365
- Has a lab run by the First Responder Network Authority that **tests and validates** the performance of the network, devices, and the applications ecosystem.

# PSAC Organizations



National League of Cities



AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS

AASHTO  
THE VOICE OF TRANSPORTATION



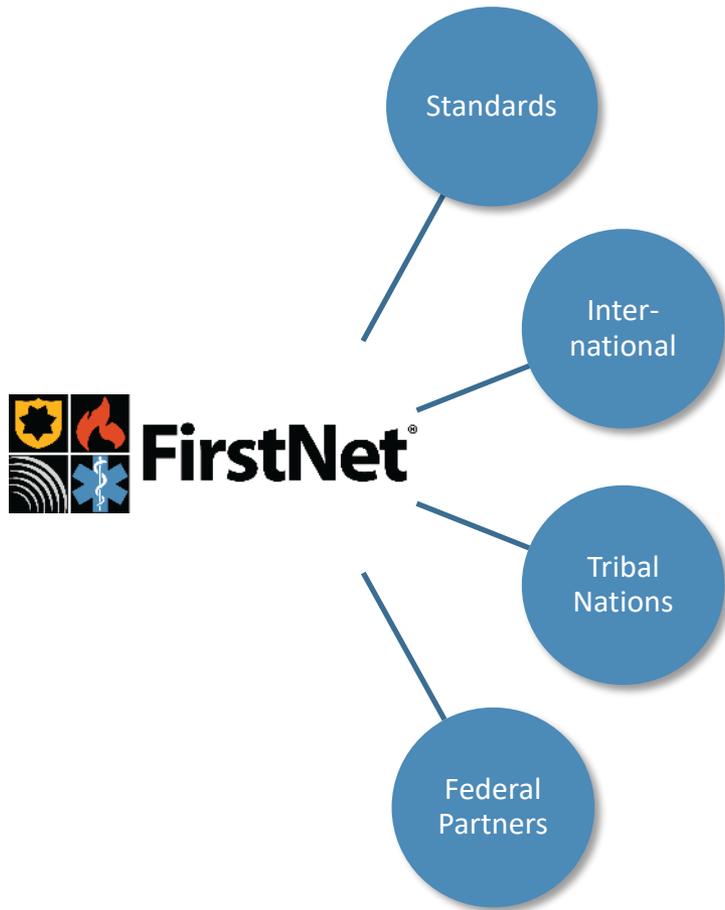
# Public Safety Advisory Committee (PSAC)

- **Over 40 members** consisting of public safety and state/local/tribal representatives, as well as non-traditional first responders
- **Led by a five member Executive Committee**
- **Convenes monthly webinars** on essential network topics related to devices, security, governance and adoption, as well as **two in-person meetings each year**
- **Operates a Tribal Working Group**, to provide advice and perspective on tribal outreach, education and consultation

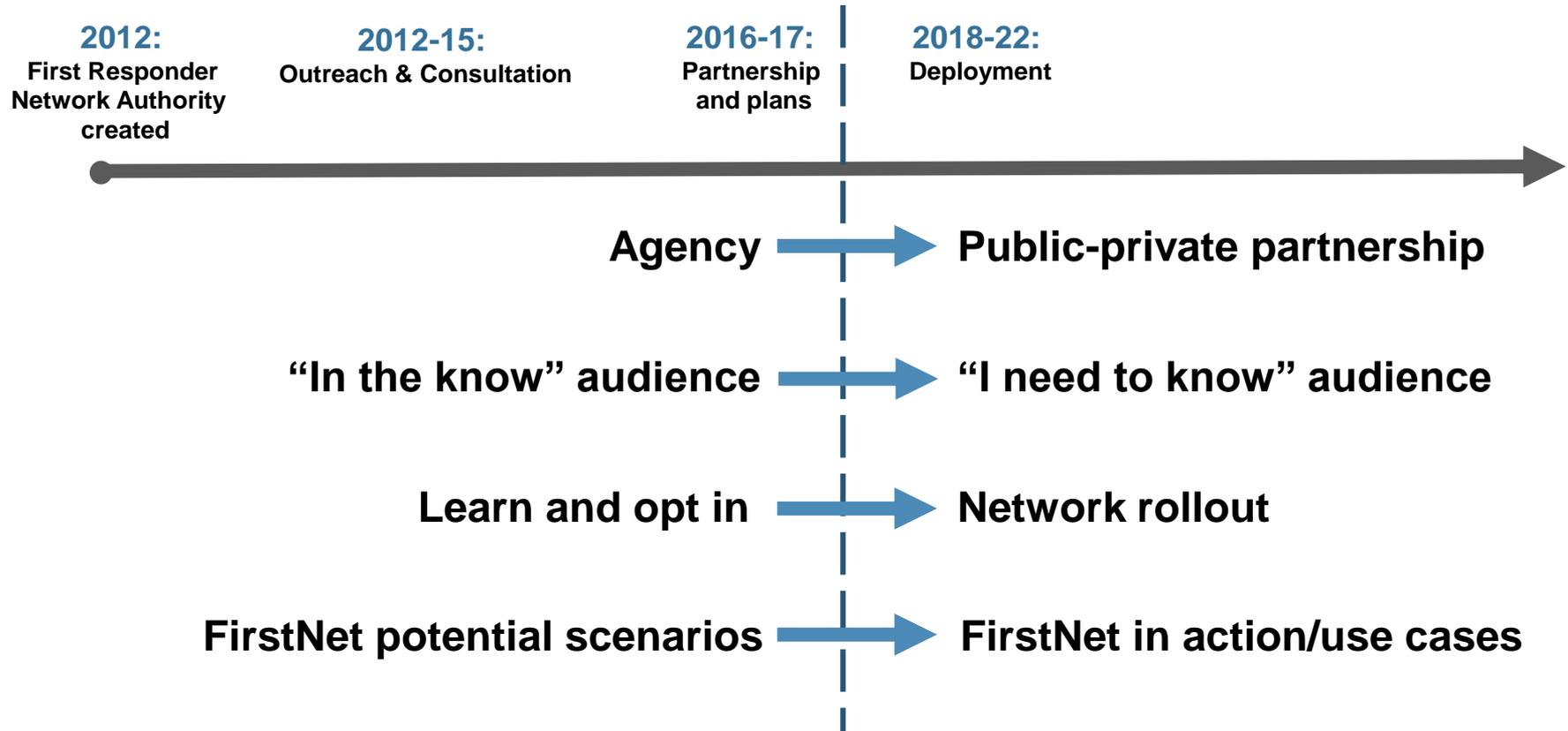


***The PSAC provides subject matter expertise on concepts, policies, procedures, technologies, and operational methods developed in support of the FirstNet network. Their public safety perspective helps to ensure the necessary operational constructs are met for critical first responder communications.***

# FirstNet Authority Relationships



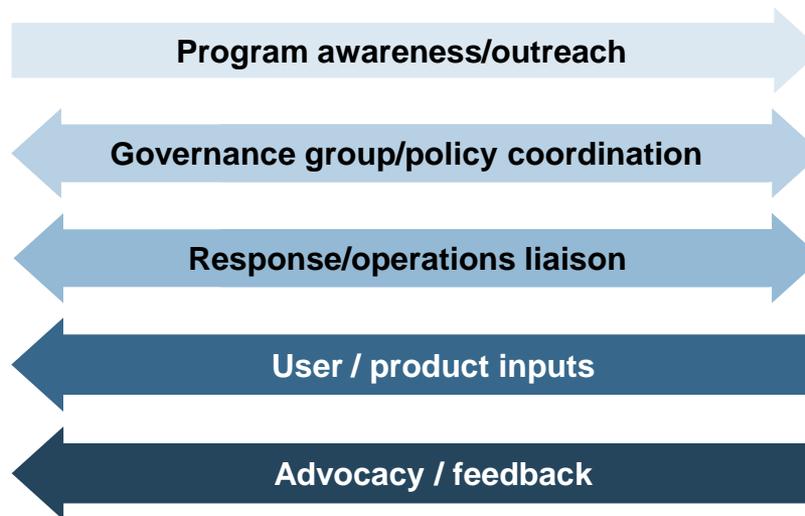
# Expanded Audiences, Network Expansion, Expanded Messaging



# Focus on Advocacy, Engagement, and Innovation in 2018



- Public safety advocacy
- Response coordination
- Products and solutions influence



## Public Safety



- Police departments
- Sheriffs
- State police
- Corrections
- Career fire
- Volunteer fire
- Hospitals
- EMS
- 9-1-1/PSAPs
- Emergency management
- National Guard
- Federal responders
- Tribal agencies
- Extended primary
- NGOs

# FirstNet in 2018



- Launch **FirstNet Core** – March 2018 

- Nationwide buildout of state **RANs** and **Band 14** *Underway*



- Grow **Applications** and **Devices Ecosystem** *Underway*

- Test current/future network features in

**Innovation & Testing Lab** *Underway*



- Support **Network Operations** and **Pilots** *Underway*

*150,000+ connections from 2,500 agencies in 52 states/territories adopted FirstNet*



# FY 2019 Priorities



## NETWORK

Continued build, operation and evolution of the NPSBN



## PUBLIC SAFETY ADVOCACY

Continued outreach and advocacy to federal, tribal, state and local public safety and associations to ensure the network meets their needs



## INNOVATION

Drive innovation and seek technologies to advance public safety communications



## REINVESTMENT

In-depth analysis and recommendations for future reinvestment efforts on behalf of public safety

# Advocacy and Engagement Approach



Provide background and update on FirstNet policy, products and operations

- FirstNet Overview
- Conference Outreach
- Outbound communications
- Build out and deployment status updates

Engage to promote the successful implementation of FirstNet

- Use case identification
- Product-specific engagement
- Focus Groups
- User Groups
- Planned Events
- Statewide / Regional Summits

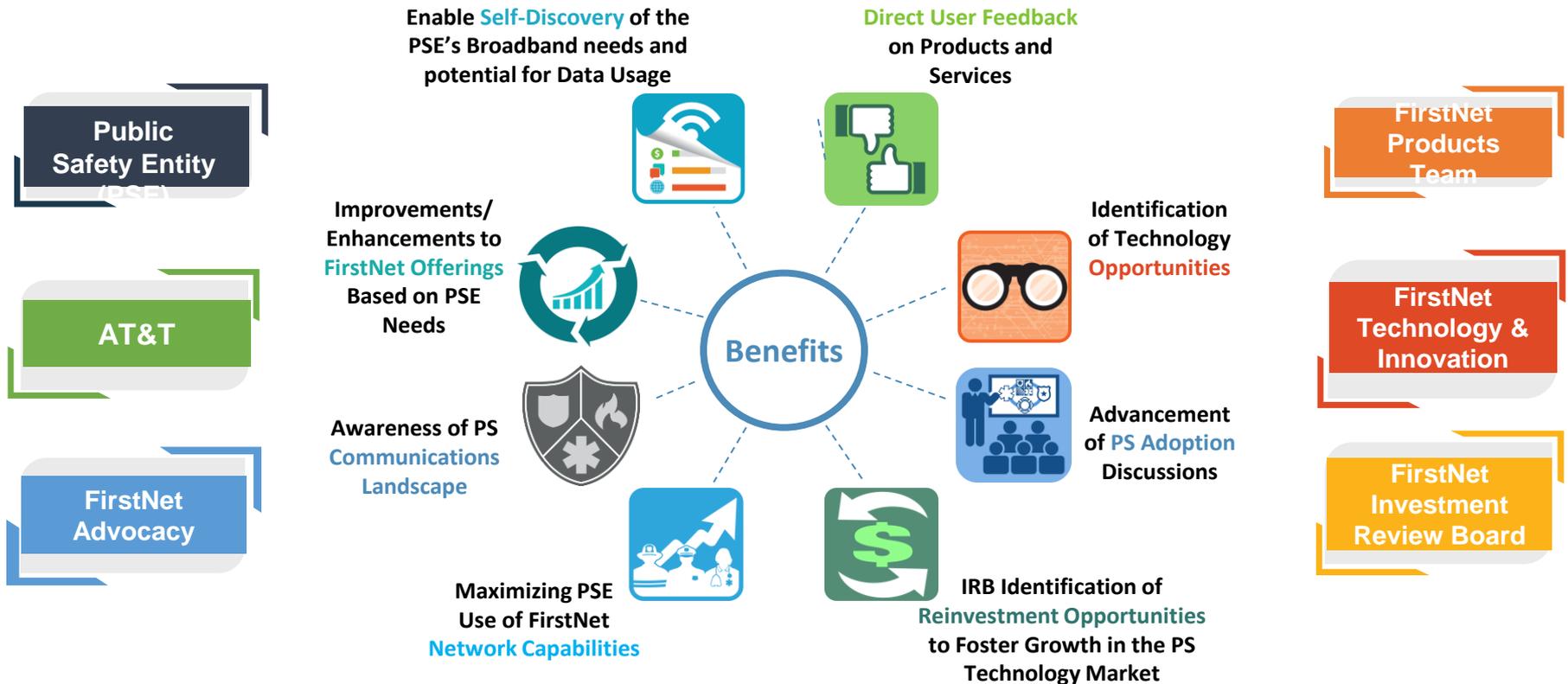
Outcomes:

- Public Safety Influence
- Product Influence
- Marketplace Influence

# Driving Innovation and New Technology Through Collaboration



# Agency Engagement Workshop Program: Benefits

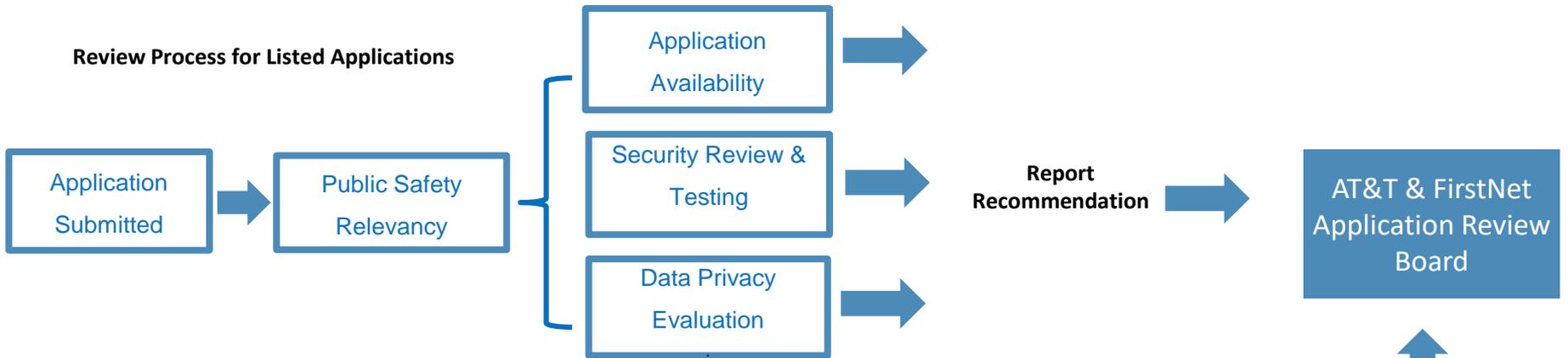


# Internet of Life Saving Things (IoLST)

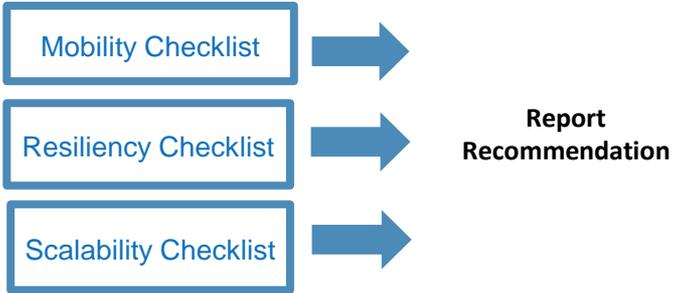


Image: Motorola via <http://www.gadget.co.za/meet-futurecop-the-vr-policeman-of-tomorrow/>

# App Developer Program – Certification Process



**Additional Criteria for Applications that will be Certified**



# FirstNet Authority: Task Order Milestones



## Task Order 1 & 2

- State Plan Portal delivery mechanism
- State Plan content and delivery



## Task Order 3

- Nationwide Public Safety Core
- Products & Architecture
- Business Management (OSS/BSS)



## Task Order 4

- State/Territory coverage milestones
- Key services to Public Safety as committed to through the State/Territory Plans

*25 year period of performance for maintenance and upgrades*

# Dedicated FirstNet Public Safety Core

- FirstNet Core launched March 2018
- Based on standardized Evolved Packet Core (EPC) and IP Multimedia Subsystem (IMS)
- FirstNet Core provides:
  - Basic network services
  - ***QoS, priority and preemption across ALL AT&T LTE bands***
  - Enabled secure access to private/public networks, PSEN/PSAP, enterprise and cloud applications
  - Enables RAN sharing between Band 14 and AT&T commercial bands (MOCN)
  - Will support future services for Public Safety (Mission Critical, LBS)
  - Encryption from end-to-end



# Radio Access Network– Multi-Band Solution for Public Safety

## Capacity

- Additional Bandwidth
- Lower cost/bit as can often deploy more spectrum vs. new sites to add capacity

## Coverage

- More sites & in-building DAS available to Public Safety communications

## Time to Market

- Utilizing an established RAN with legacy spectrum allows sooner launch

## Resiliency

- Wireless interference tends to be band specific & multiple spectrum bands allows for alternative communication paths

## Faster Data Speeds

- Combining separate LTE bands allows faster data speeds by combining multiple LTE spectrum



# What Is QPP, and Why Does Public Safety Need It?

**Quality of Service (QoS):** Establishes minimum/maximum service quality parameters

**Priority:** Gives users preferred access to network resources

**True, ruthless Preemption:** Terminates or relocates non-primary or commercial users to provide high priority user with access

This means better...

- ✓ Access to Services
- ✓ Use of Services
- ✓ Preservation of Services

...than ever before.



# Deployables and devices



New FirstNet Devices: The Samsung Galaxy S9/S9+ Coming Soon to Public Safety Subscribers

Share   



FirstNet Innovation & Test Lab

**Network Services | Technologies |  
Devices & Applications**

